

§ 97.221

47 CFR Ch. I (10–1–13 Edition)

§ 97.221 Automatically controlled digital station.

(a) This rule section does not apply to an auxiliary station, a beacon station, a repeater station, an earth station, a space station, or a space telecommand station.

(b) A station may be automatically controlled while transmitting a RTTY or data emission on the 6 m or shorter wavelength bands, and on the 28.120–28.189 MHz, 24.925–24.930 MHz, 21.090–21.100 MHz, 18.105–18.110 MHz, 14.0950–14.0995 MHz, 14.1005–14.112 MHz, 10.140–10.150 MHz, 7.100–7.105 MHz, or 3.585–3.600 MHz segments.

(c) Except for channels specified in § 97.303(h), a station may be automatically controlled while transmitting a RTTY or data emission on any other frequency authorized for such emission types provided that:

(1) The station is responding to interrogation by a station under local or remote control; and

(2) No transmission from the automatically controlled station occupies a bandwidth of more than 500 Hz.

[60 FR 26001, May 16, 1995, as amended at 72 FR 3082, Jan. 24, 2007; 77 FR 5412, Feb. 3, 2012]

Subpart D—Technical Standards

§ 97.301 Authorized frequency bands.

The following transmitting frequency bands are available to an amateur station located within 50 km of the Earth's surface, within the specified ITU Region, and outside any area where the amateur service is regulated by any authority other than the FCC.

(a) For a station having a control operator who has been granted a Technician, General, Advanced, or Amateur Extra Class operator license or who holds a CEPT radio-amateur license or IARP of any class:

Wavelength band	ITU region 1	ITU region 2	ITU region 3	Sharing requirements see § 97.303 (paragraph)
VHF	MHz	MHz	MHz	
6 m .....	.....	50–54	50–54	(a)
2 m	144–146	144–148	144–148	(a), (k)
1.25 m .....	.....	219–220 .....	.....	(l)
Do .....	.....	222–225 .....	.....	(a)
UHF	MHz	MHz	MHz	
70 cm	430–440	420–450	430–440	(a), (b), (m)
33 cm .....	.....	902–928 .....	.....	(a), (b), (e), (n)
23 cm	1240–1300	1240–1300	1240–1300	(b), (d), (o)
13 cm	2300–2310	2300–2310	2300–2310	(d), (p)
Do	2390–2450	2390–2450	2390–2450	(d), (e), (p)
SHF	GHz	GHz	GHz	
9 cm .....	.....	3.3–3.5	3.3–3.5	(a), (b), (f), (q)
5 cm	5.650–5.850	5.650–5.925	5.650–5.850	(a), (b), (e), (r)
3 cm	10.0–10.5	10.0–10.5	10.0–10.5	(a), (b), (k)
1.2 cm	24.00–24.25	24.00–24.25	24.00–24.25	(b), (d), (e)
EHF	GHz	GHz	GHz	
6 mm	47.0–47.2	47.0–47.2	47.0–47.2	(c), (f), (s)
4 mm	76–81	76–81	76–81	(e), (t)
2.5 mm	122.25–123.00	122.25–123.00	122.25–123.00	(c), (f)
2 mm	134–141	134–141	134–141	(c), (e), (f)
1 mm	241–250	241–250	241–250	(f)
.....	Above 275	Above 275	Above 275	

(b) For a station having a control operator who has been granted an Amateur Extra Class operator license, who

holds a CEPT radio amateur license, or who holds a Class 1 IARP license: